



2161

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**TRANSMITTAL  
FORM***(to be used for all correspondence after initial filing)*

		Application Number	10/044,355
		Filing Date	January 10, 2002
		First Named Inventor	Akira Kagami
		Art Unit	2161
		Examiner Name	Unknown
Total Number of Pages in This Submission	N/A	Attorney Docket Number	36992.00092 (HAL 205)

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Return Postcard	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	58 References
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement (2 pages)	<input type="checkbox"/> CD, Number of CD(s) _____	<i>RECEIVED</i> MAY 26 2004 GND/3600
<input checked="" type="checkbox"/> PTO Form 1449 (3 pages)	Remarks	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Marc A. Sockol, Reg. No. 40,823 Squire, Sanders & Dempsey L.L.P. 600 Hansen Way Palo Alto, CA 94304-1043
Signature	
Date	May 20, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Sandy Yi
Signature	
Date	May 20, 2004

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT**

(\$ ) 0

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money  Other  None  
Order

Deposit Account:

Deposit  
Account  
Number

05-0150

Deposit  
Account  
Name

Squire, Sanders & Dempsey L.L.P.

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity
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Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

**SUBTOTAL (1)**

(\$ ) 0

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid
<input type="text"/>	<input type="text"/>	<input type="text"/> ** = <input type="text"/> 0	<input type="text"/> X <input type="text"/>	<input type="text"/> 0
<input type="text"/>	<input type="text"/>	<input type="text"/> ** = <input type="text"/> 0	<input type="text"/> X <input type="text"/>	<input type="text"/> 0
<input type="text"/>	<input type="text"/>	<input type="text"/> X <input type="text"/>	<input type="text"/>	<input type="text"/> 0

**Large Entity** **Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)**

(\$ ) 0

\*\*or number previously paid, if greater; For Reissues, see above

## Complete if Known

Application Number 10/044,355

Filing Date January 10, 2002

First Named Inventor Akira Kagami

Examiner Name Unknown

Art Unit 2161

Attorney Docket No. 36992.00092 (HAL 2004)

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**GROUP 3600**

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1051	130	2051	65	Surcharge - late filing fee or oath	
		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
		1053	130	1053	130	Non-English specification	
		1812	2,520	1812	2,520	For filing a request for reexamination	
		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
		1251	110	2251	55	Extension for reply within first month	
		1252	420	2252	210	Extension for reply within second month	
		1253	950	2253	475	Extension for reply within third month	
		1254	1,480	2254	740	Extension for reply within fourth month	
		1255	2,010	2255	1,005	Extension for reply within fifth month	
		1401	330	2401	165	Notice of Appeal	
		1402	330	2402	165	Filing a brief in support of an appeal	
		1403	290	2403	145	Request for oral hearing	
		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
		1452	110	2452	55	Petition to revive – unavoidable	
		1453	1,330	2453	665	Petition to revive – unintentional	
		1501	1,330	2501	665	Utility issue fee (or reissue)	
		1502	480	2502	240	Design issue fee	
		1503	640	2503	320	Plant issue fee	
		1460	130	1460	130	Petitions to the Commissioner	
		1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
		1806	180	1806	180	Submission of Information Disclosure Stmt	
		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
		1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
		1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
		1801	770	2801	385	Request for Continued Examination (RCE)	
		1802	900	1802	900	Request for expedited examination of a design application	
		Other fee (specify) _____					

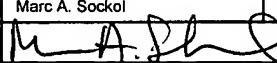
\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$ ) 0

## SUBMITTED BY

Complete if applicable

Name (Print/Type)	Marc A. Sockol	Registration No. (Attorney/Agent)	40,823	Telephone	650.856.6500
Signature				Date	May 20, 2004

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#5 6804  
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CW

Attorney Docket No.: 36992.00092 (HAL 205)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

Date: May 20, 2004

By: Sandy Yi  
Sandy Yi

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MAY 26 2004  
GROUP 3600

In re Application of:		
Akira Kagami, et al.		Examiner: Unknown
Serial No.:	10/044,355	Art Unit: 2161
Filed:	January 10, 2002	
Title:	SAN INFRASTRUCTURE ON DEMAND SERVICE SYSTEM	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

### **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR §§1.97(b)**

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56 and pursuant to 37 CFR §§1.97-1.98, Applicants hereby notify the U.S. Patent and Trademark Office of the references listed on the enclosed Form PTO-1449. One copy of each reference cited is submitted herewith.

The present Supplemental Information Disclosure Statement is being filed more than three months after the filing date but before receiving the first Office Action. Accordingly, no fee or certification is needed.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants reserve the right to dispute any of the listed documents as prior art during examination. Furthermore, Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. The submission of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

The Examiner is requested to initial the enclosed Form PTO-1449 and return a copy thereof to the undersigned.

If for any reason an insufficient fee has been paid, please charge the insufficiency to Deposit Account No. **05-0150**.

Date: 5/20/04

Squire, Sanders & Dempsey L.L.P.  
600 Hansen Way  
Palo Alto, CA 94304-1043  
Telephone (650) 856-6500  
Facsimile (650) 843-8777

Respectfully submitted,



Marc A. Sockol  
Attorney for Applicants  
Reg. No. 40,823

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T & T  
Substitute for form 1449A/PTOINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

3

## Complete if Known

Application Number	10/044,355
Filing Date	January 10, 2002
First Named Inventor	Akira Kagami
Art Unit	2161
Examiner Name	Unknown

Attorney Docket Number 36992.00092 (HAL 205)

U.S. PATENT DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY
		US-4,310,883	01-12-1982
		US- 4,771,375	09-13-1988
		US- 4,935,956	06-19-1990
		US- 5,018,060	05-21-1991
		US- 5,079,760	01-07-1992
		US- 5,561,669	10-01-1996
		US- 5,758,050	05-26-1998
		US- 5,978,779	11-02-1999
		US- 6,012,151	01-04-2000
		US- 6,044,442	03-28-2000
		US- 6,052,450	04-18-2000
		US- 6,192,454	02-20-2001
		US- 6,209,024	03-27-2001
		US- 6,230,247	05-08-2001
		US- 6,263,350	07-17-2001
		US- 6,279,040	08-21-2001
		US- 6,338,046	01-08-2002
		US- 6,356,985	03-12-2002
		US- 6,442,659	08-27-2002
		US- 6,484,160	11-19-2002
		US- 6,502,136	12-31-2002
		US- 6,502,162	12-31-2002
		US- 6,519,471	02-11-2003
		US- 6,553,401	04-22-2003
		US- 6,597,956	07-22-2003
		US- 6,640,278	10-28-2003
		US- 6,654,830	11-25-2003
		US- 6,665,706	12-16-2003
		US- 6,687,677	02-03-2004

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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup>	Publication Date MM-DD-YYYY		
		JP 2001-142648 A	05-25-2001	Hitachi Ltd.	X (abstract only)
		WO 01/33456 A2	05-10-2001	AP Engines, Inc.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

3

Complete if Known

Application Number	10/044,355
Filing Date	January 10, 2002
First Named Inventor	Akira Kagami
Art Unit	2161
Examiner Name	Unknown

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GROUP 3600

Attorney Docket Number 36992.000092 (H)

U.S. PATENT DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US- 2001/0034704	10-25-2001	Farhat et al.
		US- 2001/0056480	12-27-2001	Taylor et al.
		US- 2002/0035492	03-21-2002	Nonaka, Akira
		US- 2002/0087682	07-04-2002	Roach, Tynan George
		US- 2002/0091828	07-11-2002	Kitamura et al.
		US- 2002/0097747	07-25-2002	Kirkby et al.
		US- 2002/0107956	08-08-2002	Nakagawa et al.
		US- 2002/0112043	08-15-2002	Kagami et al.
		US- 2002/0124134	09-05-2002	Chilton, Kendell
		US- 2002/0147693	10-10-2002	Banerjee et al.
		US- 2002/0152364	10-17-2002	Gunaseelan et al.
		US- 2002/0162047	10-31-2002	Peters et al.
		US- 2002/0166033	11-07-2002	Kagami et al.
		US- 2002/0188576	12-12-2002	Peterson et al.
		US- 2002/0194504	12-19-2002	Leskuski et al.
		US- 2003/0023732	01-30-2003	Cohen, Michael S.
		US- 2003/0061129	03-27-2003	Todd et al.
		US- 2003/0088513	05-08-2003	Gritzammer et al.
		US- 2003/0093567	05-15-2003	Lolayekar et al.
		US- 2003/0105855	06-05-2003	Wynnyk, Thomas M.
		US- 2003/0115073	06-19-2003	Todd et al.
		US- 2003/0177162	09-18-2003	Staiger et al.
		US- 2003/0191804	10-09-2003	Yasuda et al.
		US-		
		US-		
		US-		

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031

Approved for use through 07/01/2010  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<i>Application Number</i>	10/044,355
<i>(Use as many sheets as necessary)</i>		<i>Filing Date</i>	January 10, 2002
		<i>First Named Inventor</i>	Akira Kagami
		<i>Art Unit</i>	2161
		<i>Examiner Name</i>	Unknown
Sheet	3	of	3
		<i>Attorney Docket Number</i>	
		36992.00092 (HAL 205)	

Examiner Signature		Date Considered	
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